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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/868,737	10/15/2001	YOSHIHIRO HIRATA	KOD9B.001APC	6540	
	7590 07/25/2003			•	
KNOBBE MARTENS OLSON & BEAR LLP			EXAMINER		
FOURTEENT	2040 MAIN STREET FOURTEENTH FLOOR			BHAT, NINA NMN	
IRVINE, CA	92614		. ART UNIT	PAPER NUMBER	

Please find below and/or attached an Office communication concerning this application or proceeding.

1761 DATE MAILED: 07/25/2003

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	Application No.	Applicant(s)				
	09/868,737	HIRATA ET AL.				
Office Action Summary	Examiner	Art Unit				
	N. Bhat	1761				
The MAILING DATE of this communication app Period for Reply	ears on the cover	sheet with the correspondence ac	ddress			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, howev within the statutory minir will apply and will expire S cause the application to	er, may a reply be timely filed num of thirty (30) days will be considered time IX (6) MONTHS from the mailing date of this of become ABANDONED (35 U.S.C. § 133).	ely. communication.			
1) Responsive to communication(s) filed on 05 F	ebruary 2002 .					
2a) ☐ This action is FINAL . 2b) ☑ Th	is action is non-fin	al.				
3) Since this application is in condition for allowed in appeardance with the progress under			he merits is			
closed in accordance with the practice under Disposition of Claims	Ex parte Quayle,	1955 C.D. 11, 455 O.G. 215.				
4) Claim(s) 1-5 is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	wn from considera	tion.				
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-5</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	r election requiren	nent.				
Application Papers						
9) The specification is objected to by the Examine		It. butha Evaniana				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign	n priority under 35	U.S.C. § 119(a)-(d) or (f).				
a)⊠ All b)□ Some * c)□ None of:	•	·				
1. Certified copies of the priority document	s have been recei	ved.				
2. Certified copies of the priority documents have been received in Application No						
 3. Copies of the certified copies of the prior application from the International Bu * See the attached detailed Office action for a list 	reau (PCT Rule 1	7.2(a)).	l Stage			
14)☐ Acknowledgment is made of a claim for domesti			al application).			
a) ☐ The translation of the foreign language pro	ovisional application	on has been received.	•			
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) 🔲	Interview Summary (PTO-413) Paper No Notice of Informal Patent Application (P Other:				

U.S. Patent and Trademark Office PTO-326 (Rev. 04-01) Application/Control Number: 09/868,737

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DETAILED ACTION

Claims 1-5 are rejected under 35 U.S.C. 112, second paragraph, as being 1. indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 1, applicant recites "A method for producing water containing fullerences, which include water molecules and are floating in water by burning a mixed gas of oxygen...." Applicant should be more specific in drafting the claims and use recitations which include a transitional phrase such as comprising, consisting of, consisting essentially of. For example, applicant could recite in claim 1, "A method for producing water containing fullerences which include a mixture of water molecules and fullerences comprising the steps of, providing an apparatus which burning a mixed gas of oxygen and hydrogen in high pressure water and burning a graphite bar using the combustion gas generated there by producing fullerences in water." In claims 3 and 4 the claims appear to be incomplete, it is unclear what hydrogen is attached to in claim 3 and in claim 4 it is unclear what a filtration system for removing carbon residue is attached to. Appropriate correction is required. In claim 5, applicant should draft the claim as a product by process of claim 1 which is used in making a healthy drinking water. Water by definition includes water molecules. Claim 5 is incomplete and it is unclear what applicant is purifying, if applicant purifies the water, the water could be devoid of fullerenes. It is also unclear what applicant means by "floating in water". This recitation is not necessary. Fullerences or fullerenes need to be modified in order to be water-soluble so "floating in water" is not necessary in the

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claim. Applicant is further requested not to use "characterized in that" language in drafting claims and can replace "characterized in that" with --wherein--.

- 2. Claim1 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.
- 3. Claims 2-5 are would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.
- 4. The following is a statement of reasons for the indication of allowable subject matter:

The invention relates to a method of producing water which includes fullerences by burning a mixed gas of oxygen and hydrogen is combusted wherein a pure graphite bar is inserted and heating in the combustion gas thereby producing fullerences. The hydrogen and oxygen provided is from the electrolysis of water, the process as claimed provides a water containing fullerences and unburned carbon which can be further purified to provide a drinking water including water and fullerences.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Friedman et al. teach a water-soluble fullerenes with antiviral activity. Howard et al. teach production of fullerenic nanostuctures in flames. Howard et al. teach the production of fullerenic soot in flames.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to N. Bhat whose telephone number is 703-308-3879. The examiner can normally be reached on Monday-Friday, 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Milton Cano can be reached on 703-308-3959. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-5665.

N. Bhat

Primary Examiner

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July 21, 2003